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Access DB# 141230

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: MOLLY CEPERLEY (STIC) Examiner #: 59757 Date: 12/27/04
Art Unit: 1641 Phone Number: 2-0813 Serial Number: 10/043,394
Mail Box and Bldg/Room Location: Rem 3A51 Results Format Preferred (circle): PAPER DISK E-MAIL
REM 3C70

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: 01/10/01

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

① Please search for a "substrate" with a "hydrophobic layer" on top with a "hydrophilic layer" on top of the "hydrophobic layer". See claim 49. Prefer "substrate surface" is silica or glass; "hydrophobic layer" is styrene; "hydrophilic layer" is dimethylacrylamide. There can be a biomolecule attached to the "hydrophilic layer." (See claims 49-69+102-110.)

Terms: polymer brush

hydrophobic monomer (p.14)

living free radical polymerization (p.15)

hydrophilic monomer (p.16)

acrylic acid dimethylacrylamide
acrylamide

silica } (p.17)
glass }
silicon }

styrene (L4)

STAFF USE ONLY

| | Type of Search | Vendors and cost where applicable |
|--|--|-----------------------------------|
| Searcher: _____ | NA Sequence (#) _____ | STN <u>367-20 400</u> |
| Searcher Phone #: _____ | AA Sequence (#) _____ | Dialog _____ |
| Searcher Location: _____ | Structure (#) _____ | Questel/Orbit _____ |
| Date Searcher Picked Up: _____ | Bibliographic _____ | Dr. Link _____ |
| Date Completed: _____ | Litigation _____ | Lexis/Nexis _____ |
| Searcher Prep & Review Time: <u>50</u> | Fulltext <input checked="" type="checkbox"/> | Sequence Systems _____ |
| Clerical Prep Time: _____ | Patent Family _____ | WWW/Internet _____ |
| Online Time: <u>50</u> | Other _____ | Other (specify) _____ |